

DCA13MR002
Conrail - Shared Assets
Derailment/Hazardous Material Release
Paulsboro, New Jersey
November 30, 2012

Hazardous Materials Group Factual Report

ATTACHMENT 29 - EPA AIR MONITORING SUMMARY (NJDEP-0998-NJDEP-1011)

From: [DiGangi, Patrick](#)
To: [Carl, Anthony](#)
Subject: FW: Paulsboro Train ER_Air Monitoring Summary
Date: Wednesday, December 12, 2012 12:13:57 PM
Attachments: [PaulsboroER_Table1_113012_120712.pdf](#)

From: Kahn.Paul@ [REDACTED] ** PII **
Sent: Wednesday, December 12, 2012 12:02 PM
To: DiGangi, Patrick
Cc: Jimenez.Christopher [REDACTED] ** PII **
Subject: Fw: Paulsboro Train ER_Air Monitoring Summary

Pat,

Attached is the RST (Weston) air monitoring results from their drive-around multi-RAEs.

Paul

Paul L. Kahn, OSC
Response and Prevention Branch

732 [REDACTED] ** PII **

----- Forwarded by Paul Kahn/R2/USEPA/US on 12/12/2012 12:04 PM -----

From: "Garibaldi, Michael" [REDACTED] ** PII **
To: Dwayne Harrington/R2/USEPA/U [REDACTED] ** PII **
Cc: Paul Kahn/R2/USEPA [REDACTED] ** PII **, Cris DOnofrio/R2/USEPA [REDACTED] ** PII **
Date: 12/12/2012 09:31 AM
Subject: Re: Paulsboro Train ER_Air Monitoring Summary

Dwayne,

Attached is the draft summary table for the perimeter air monitoring performed for the Paulsboro Train Derailment ER from 11/30 thru 12/7/12.

Please let me know if you have any questions or comments.

Thanks,

Michael Garibaldi
[Weston Solutions, Inc.](#)
[Removal Support Team 2](#)

[REDACTED] ** PII **

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NJDEP-0998

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Date	Time	Location	VOC Reading	Remarks
11/30/2012	0845	E. Bucks and Delaware	0.0	
	0852	Buck and Spruce	0.0	
	0900	Adams and Spruce	0.0	
	0912	Broad and Huff	0.0	
	0919	Broad and Pine	0.0	
	0932	Wood and Swedesboro	0.0	
	0945	Buck and Adams	0.0	
	1052	Spruce and Buck	0.0	
	1100	Penn Line and Adams	0.0	
	1105	Thompson and Elizabeth	0.0	
	1110	Cook and Vanneman	0.0	
	1120	Spruce and Buck	0.0	
	1125	Delaware and Jessup	0.0	
	1130	Adams and Jessup	0.0	
	1135	Lodge and Delaware	0.0	
	1140	Broad and Pine	0.0	
	1145	Swedesboro and Delaware	0.0	
12/1/2012	1915	Paradise and Railroad Tracks	0.0	
	1940	Thompson and Swedesboro	0.0	
	1949	Spruce and Jefferson	0.0	
	2000	Delaware and Buck	0.0	
	2012	Washington and Spruce	0.0	
	2020	Broad and Commerce	1.3	
	2025	Thompson and Swedesboro	0.0	
	2040	Broad and Penn Line	0.0	
	2055	Thompson and Swedesboro	0.0	
	2108	Commerce and Broad	0.0	
	2110	Spruce and Moreland	0.0	
	2120	Commerce and Jessup	0.0	
	2130	Wert and Broad	0.0	
	2135	Buck and Delaware	0.0	
	2140	Wert and Adams	0.0	
12/2/2012	1015-1750	5th and Greenwich	0.3-0.7	Stationary
	1005-1615	7th and Delaware	0.0	
	1005-1530	4th and Beacon	0.0	
	1535	4th and Beacon	2.1	
	1540-1630	4th and Beacon	0.0	
	1630-1900	7th and Delaware	0.0	
	1912	7th and Delaware	1.8	
	1925	7th and Mantua	0.0	
	1933	213 W. Broad	0.6	
	1936	228 W. Broad	0.5	
	1939	437 W. Broad	1.7	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/2/2012	1945	324 Washington	0.2	
	1950	Adams and Penn Line	0.2	
	2000	Buck and Spruce	0.2	
	2004	Buck and West	0.8	
	2008	120 W. Broad	0.3	
	2015	Penn Line and Railroad Ave	0.2	
	2025	Washington and Pine	0.0	
	2030	Broad and Penn Line	0.0	
	2045	Penn Line and Buck	0.0	
	2051	Washington and Spruce	0.0	
	2056	Delaware and Mantua	0.0	
	2100	6th and Beacon	0.4	
	2116	5th and Billings	0.0	
	2120	Greenwich and 5th	0.0	
	2220	Delaware and Madison	0.0	
	2242	Swedesboro and Thomson	0.0	
	2255	Quincy and Billings	0.0	
	2305	Mantua and RR tracks	0.0	
	2335	Moreland and Spruce	0.0	
	2345	Crown Point/ Bridge (east side)	0.0	
12/3/2012	0005	Broad and Paul	0.0	
	0020	Bridge (west) and Mantua Creek	0.0	
	0025	Mantua Grove and Bridge	0.7	
	0030	Crown Point/ Mantua Grove	2.8	
	0042	Paradise Rd/ Railroad tracks	0.0	
	1122	Thomson/Swedesboro	0.0	Area RAE location
	1137	Billings/7th	0.0	
	1156	Adams/Wert	0.0	
	1209	Mantua/5th	0.0	Area RAE location
	1229	Jessup/S.Commerce	0.0	
	1335	Beacon/7th	0.0	
	1351	Penn Line/Capitol	0.0	
	1414	Wood/S. Commerce	0.0	
	1435	New/S. Delaware	0.0	
	1447	Billings/7th	0.0	
	1501	Jefferson/N. Commerce	0.0	
	1510	E.Broad/S. Commerce	0.0	
	1523	Thomson/Swedesboro	0.0	
	1541	N. Commerce/Buck	0.0	
	1600	E. Madison/Chestnut	0.0	
	1625	N.Delaware/7th	0.0	
	1640	Mantua/6th	0.0	
	1700	Billings/5th	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/3/2012	1715	E. Broad/N. Commerce	3.8	
	1725	Thomson/Swedesboro	0.0	Area RAE location
	1755	E. Broad/N. Commerce	9.1	
	1801	E. Broad/N. Commerce	3.6	
	1907	Nassau/ Delaware	0.7	
	1912	Nassau/ 6th	0.6	
	1914	High School	0.7	
	1918	Billingsport School/ 5th	0.1	
	1924	Greenwich/ 4th	0.0	
	1926	Greenwich/ 5th	0.3	
	1952	Greenwich/ 6th	0.3	
	1953	Mantua/ 7th	0.6	
	1955	Mantua/ Railroad Tracks	1.5	
	1958	Billings/ Quincy	1.3	
	2000	Madison/ Mantua	0.9	
	2002	Quincy/ Beacon	4.0	
	2012	Jefferson/ Chestnut	2.0	
	2015	Commerce/ Jefferson	7.3	
	2018	Adams/ Chestnut	2.8	
	2020	Delaware/ Adams	0.9	
	2024	Washington/ Chestnut	0.4	
	2028	Jefferson/ Chestnut	5.6	
	2032	Adams/ Spruce	0.1	
	2034	Jefferson/ Spruce	0.1	
	2036	Jefferson/ Delaware	0.3	
	2042	Swedesboro/ Thomson	0.0	
	2105	Bridge - West	0.0	
	2107	Bridge - East	0.0	
	2215	Broad/ Commerce	0.0	
	2225	Bridge - West	0.0	
	2300	Monroe/ Beacon	0.4	
	2305	Quincy/ Beacon	0.3	
	2350	Morton/ Vanneman	0.0	
	1110	RCC Office	0.1	Reception Area
	1115		0.0	Drafting Room
	1120		0.0	President's Office
	1120		0.0	Jamie's Office
	1125		0.5	Cleaners stored
	1125		0.0	
	1130		0.3	
	1140		0.0	
	1200	5th/Greenwich	0.0	Billingsgate School
	1210	4th/Mantua	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/3/2012	1220	7th/Mantua	0.0	
	1230	Delaware/Monroe	0.0	
	1400	White Swan Trailer Park	0.0	
	1410	Commerce/Jefferson	0.0	
	1420	Adams/Delaware	0.0	
	1500	Third/Nassau	0.0	
	1525	2nd/Mantua	0.0	
	1545	5th/Greenwich	0.0	
	1905	Greenwich and 5th	3.3	
	2027	Atlanta and 4th	0.1	
	2041	2nd and Mantua	0.0	
	2043	Riverview and Mantua	0.0	
	2044	Riverview and Beacon	0.0	
	2045	Billings and Riverview	0.0	
	2046	Greenwich and Riverview	0.0	
	2047	Nassau and Riverview	0.0	
	2049	Riverview and Billings	0.0	
	2052	Mantua and 3rd	0.3	
	2054	Mantua and 4rd	0.4	
	2058	Mantua and 5th	0.7	
	2105	Mantua and 6th	0.9	
	2107	Mantua and 7th	0.3	
	2125	Madison and N. Commerce	0.2	
	2126	N. Commerce / Church	0.0	
	2128	E Jefferson	0.4	
	2124	Jefferson	0.0	
	2127	Jefferson and Delaware	0.0	
	2131	Tyler and Greenwich	0.2	
	2132	Greenwich and 6th	0.2	
	2135	516 Greenwich	0.4	
	2136	Greenwich and 5th	0.4	
	2141	Greenwich and 2nd	0.0	
	2144	Billingsport and 2nd	0.0	
	2146	Nassau and 2nd	0.0	
	2148	Greenwich and 2nd	0.0	
	2150	Billings and Second	0.0	
	2152	Beacon and Second	0.1	
	2153	2nd and Mantua	0.4	
	2155	Mantua	1.1	
	2200	3rd and Mantua	0.0	
	2201	32d and Beacon	0.0	
	2203	3rd and Billings	0.0	
	2204	3rd and Greenwich	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/3/2012	2205	3rd and Nassau	0.0	
	2206	Lincoln and 3rd	0.0	
	2208	Lincoln and 4rth	0.0	
	2209	4rth and Nassau	0.0	
12/4/2012	2209	4rth and Greenwich	0.0	
	2211	4rth and Billing	0.0	
	2212	4rth and Beacon	0.4	
	2214	4rth and Mantua	0.8	
	2116	5th and Mantua	0.9	
	2122	5th and Beacon	0.0	
	2223	5th and Billings	0.0	
	2224	5th and Greenwich	0.0	
	2225	5th and Nassau	0.0	
	2227	5th and Lincoln	0.0	
	2228	Lincoln and Delaware	0.0	
	2231	6th and Nassau	0.0	
	2233	6th and Greenwich	0.0	
	2235	6th and Billings	0.0	
	2239	6th and Beacon	0.0	
	2240	6th and Mantua	0.2	
	2242	Mantua and 7th	0.3	
	2245	7th and Beacon	0.3	
	2246	7th and Billings	0.1	
	2248	7th and Delaware	0.1	
	2250	Quincy and Billings (Heritages)	0.3	
	2252	RailRoad Company on Mantua	0.3	
	2256	Commerce and RR tracks	4.4	
	2259	Commerce and Jefferson	2.9	
	2303	230 Jefferson	1.7	
	2308	Commerce and 44	0.0	
	2313	Crown Point Rd; middle of bridge	0.2	
	2320	Paradise Rd. and Railroad	0.0	
	2325	Crown Point Rd. at Bridge	2.2	
	2331	Delaware and Washington	0.3	
	0007	Elizabeth and Cook	0.0	
	0012	Huff and Thomson	0.0	
	0015	Swedesboro and Thomson	0.0	
	0045	Commerce and Wood	0.7	
	0050	Broad and Commerce	0.8	
	0053	S. Commerce and New	0.3	
	0055	S. Commerce and Jessup	0.2	
	0057	S. Commerce and Delaware	0.0	
	0059	Nassau and Delaware	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/4/2012	0104	Greenwich Riverview Delaware	0.0	
	0105	Billings and 7th	0.6	
	0111	Billings and 6th	0.0	
	0113	Riverview and Mantua	0.0	
	0122	5th and Mantua	0.0	
	0125	636 Mantua	0.0	
	0132	Commerce Rd and Railroad	0.2	
	0133	Commerce Rd and W. Jefferson	0.8	
	0136	230 Jefferson	0.2	
	0140	Delaware and Washington	0.0	
	0145	Crown Point Road Middle	0.0	
	0148	Paradise Rd. and Railroad	0.0	
	0158	Commerce and 44	0.0	
	0248	Commerce and Wood Street	0.6	
	0249	Commerce	0.2	
	0058	Delaware and Broad	0.0	
	0133	washington and Delaware	0.4	
	0139	Madison and Delaware	0.6	
	0144	Quincy and Beacon	0.6	
	0231	Quincy and Billings	0.2	
	0235	Madison and Delaware	0.2	
	0241	Broad and Delaware	0.1	
	0243	Buck and Spruce	0.2	
	0255	Buck and Pine	0.0	
	0351	Commerce and Jefferson	2.2	
	0356	Jefferson and Chestnut	4.0	
	0358	Mantua and Madison	9.4	
	0400	Chestnut and Madison	5.0	
	0402	Madison and Delaware	3.0	
	0408	Crown Point/ Mantua Creek	0.3	
	0415	Delaware and Wood	0.3	
	0422	Swedesboro and Wood	0.2	
	0425	Bridge (West Side)	3.2	
	0428	Broad and Spruce	0.4	
	0430	Spruce/ Madison	2.7	
	0435	Spruce/ Jefferson	2.7	
	0437	Spruce/ Adams	2.3	
	0439	Spruce/ Washington	2.3	
	0446	Jefferson and Delaware	3.6	
	0455	Mantua and Washington	12.0	
	0401	Mantua and 5th	0.0	
	0404	Mantua and 7th	0.2	
	0408	Commerce and Railroad trak	21.7	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/4/2012	0410	Commerce and Jefferson	11.7	
	0414	Delaware and Washington	0.8	
	2000	Mantua and Riverview	0.0	
	2002	Riverview and Beacon	0.0	
	2004	Riverview and Billings	0.0	
	2006	Riverview and Greenwich	0.0	
	2008	Riverview and Nassau	0.0	
	2010	Riverview and Billingsport	0.0	
	2016	2nd and Greenwich	0.0	
	2018	2nd and Billings	0.0	
	2020	2nd and Beacon	0.0	
	2022	2nd and Mantua	0.0	
	2024	Mantua and 3rd	0.0	
	2028	Mantua and 4th	0.0	
	2030	Mantua and Dupont	0.0	
	2032	Mantua and 5th	0.0	
	2034	Mantua and 6th	0.0	
	2036	3rd and Beacon	0.0	
	2042	3rd and Nassau	0.0	
	2044	3rd and Lincoln	0.0	
	2046	Lincoln and 4th	0.0	
	2129	4rth and Billings	0.0	
	2130	4rth and Beacon	0.0	
	2132	5th and Beacon	0.0	
	2132	5th and Billings	0.0	
	2133	5th and Greenwich	0.0	
	2138	6th and Greenwich	0.0	
	2142	7th and Beacon	0.0	
	2144	7th and Billings	0.0	
	2146	7th and Nassau	0.0	
	2147	Delaware Street (High School)	0.0	
	2155	Billings and Quincy	0.0	
	2156	Quincy and Beacon	0.0	
	2203	Commerce and Railroad	0.0	
	2205	Commerce and Jefferson	0.0	
	2207	Commerce and Washington	0.0	AreaRae 19
	2214	Commerce and 44 Broad	0.0	
	2020	Delaware and Washington	0.0	
	2023	Delaware and Buck	0.0	
	2318	Crown Point Road	0.0	
	2330	Mantua Grove Rd and Crown Point	0.0	
	2335	Broad 44 and Commerce	0.0	
	2342	Commerce and Jefferson	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/5/2012	830	Mantua/Grove	0.0	White Swan Community
	850	Broad/Commerce	0.0	
	920	Mantua/Grove	0.0	White Swan Community
	940	Swedesboro/Thomson	0.0	Area RAE location
	1015	Mantua/Grove	0.0	White Swan Community
	1050	Billings/5th	0.0	
	1115	Broad/Commerce	0.0	
	1130	Mantua/Grove	0.0	White Swan Community
	1230	Mantua/5th	0.0	Area RAE location
	1330	N. Commerce/Madison	0.0	
	1650	N. Commerce/Madison	2.6	
	830	Jefferson/Commerce	0.7	
	835	7th/Mantua	0.7	
	840	5th/Mantua	0.0	
	845	5th/Beacon	0.0	
	850	6th/Beacon	0.0	
	900	7th/Beacon	0.0	
	910	Monroe/Beacon	0.0	
	930	Madison/Chestnut	0.0	
	1010	Jefferson/Commerce	0.0	
	1015	Jefferson/Commerce	0.0	
	1030	7th/Mantua	0.0	
	1115	7th/Mantua	0.0	
	1200	Beacon	0.0	Behind school
	1330	7th/Mantua	0.0	Moving tanker cars
	1335	7th/Mantua	0.0	moving rail cars
	1345	7th/Mantua	0.0	moving rail cars
	1400	7th/Mantua	0.0	
	1415	7th/Mantua	0.0	
	1430	7th/Mantua	0.0	
	1500	7th/Mantua	0.0	
	1530	Chestnut	0.0	adjacent to tracks
	1545	Chestnut	0.0	adjacent to railroad tracks
	1615	5th/Mantua	0.0	Area RAE location
	1635	7th/Mantua	0.0	
	1645	5th/Greenwich	0.0	
	1655	Guardian Angels	0.0	Back Lot
	1710	7th/Mantua	0.0	
	1720	Rite Aid Lot	0.0	
	1730	Commerce/Broad	0.0	Burt's Liquors
	1740	Church	0.0	Rear Parking
	1745	7th/Mantua	0.0	
	1755	3rd/Beacon	0.0	

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correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/5/2012	1805	6th/Beacon	0.0	
	1815	Guardian Angels	0.0	
	2015	Delaware/Broad	0.0	
	2030	Chestnut/Buck	0.0	
	2100	Jefferson/Commerce	0.0	
	2015	Madison/Mantua	0.0	
	2030	Chestnut/Madison	0.0	
	2045	Adams/Chestnut	0.0	
	2110	Madison/Mantua	0.0	
	2115	Chestnut/Monroe	0.0	
	2122	High School	0.0	
	2125	Railroad Ave/Penn Line	0.0	
	2130	Jefferson/Spruce	0.0	
	2137	Bridge (East)	0.0	
	2145	Bridge (West)	0.0	
	2200	Crown Point/Mantua	0.0	
	2220	Broad/Spruce	0.0	
	2230	Swedesboro/Thomson	0.0	
	2245	Thomson/Huff	0.0	
	2315	W. Broad/Paul	0.0	
	2330	Commerce/Jessup	0.0	
	2345	Buck/Pine	0.0	
12/6/2012	0030	Jefferson/Commerce	0.0	
	0045	Commerce/Wood	0.0	
	0100	Delaware/New	0.0	
	0115	Swedesboro/Spruce	0.0	
	0145	W. Broad/Pine	0.0	
	0200	Crown Point	0.0	
	0207	Crowne Point/Paridise	0.0	
	0210	Paridise/Rail Road	0.0	Area RAE location
	0216	Quincy/Beacon	0.0	
	0005	7th and Beacon to 3rd and Beacon	0.0	
	0011	Greenwich to Delaware	0.0	
	0042	Delaware, High School	0.0	
	0107	Commerce to Broad	0.0	
	0110	Swedesboro and Wood	0.0	
	0119	Moreland Elementry School	0.0	
	0231	Commerce and Jefferson	0.0	AreaRae 14
	0237	Mantua and 5th	0.0	
	0409	Delaware, Paulsboro High School	0.0	
	0505	6th and Nassau	0.0	
	0116	5th and Billings	0.0	AreaRae 15
	0215	4th and Mantua	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/6/2012	0519	Mantua and 2nd	0.0	
	0524	Mantua and 5th	0.0	AreaRae 12
	0531	Commerce and RailRoad	0.2	AreaRae 9
	0533	Commerce and Jefferson	0.2	
	0539	Delaware and Washington	0.2	
	0541	Buck and Chestnut	0.2	AreaRae 23
	0543	Commerce and 44 Broad	0.4	AreaRae 12
	0604	Crown Point Road	0.1	
	0607	Crown Point and Mantua Grove	0.0	AreaRae 15
	0609	Paradise and Railroad track	0.0	
	0612	Crown Point Road E side of bridge	0.3	
	0815	Crown Point Road/Marsh	0.0	
	0830	Crown Point Road/Marsh	0.0	
	0840	Quincy/Beacon	0.0	
	0915	north of the incident	0.0	Beacon, Mantua
	0935	Crown Point Road/Marsh	0.0	
	1000	north of the incident	0.0	Beacon, Mantua
	1135	Paradise/RR Tracks	0.0	
	1140	White Swan Trailer Pk.	0.0	
	1150	Crown Point Road/Marsh	0.0	
	1200	Crown Point Road/Marsh	0.0	
	1205	Beacon/RR Tracks	0.0	
	1220	north of the incident	0.0	Beacon, Mantua
	1340	White Swan Trailer Pk.	0.0	
	1410	Crown Point Road/Marsh	0.0	
	1445	Mantua/Grove	0.0	
	1450	Quincy/Beacon	0.0	
	1510	north of the incident	0.0	
	1550	White Swan Trailer Pk.	0.0	
	1615	Crown Point Road/Marsh	0.0	
	1625	Beacon/Monroe	0.0	
	1640	White Swan Trailer Pk.	0.0	
	1715	Crown Point Road/Marsh	0.0	
	1720	Beacon/Quincy	0.0	
	1820	Crown Point Road/Marsh	0.0	
	1957	Bridge (west)	0.0	
	2000	Crown Point Road/Marsh	0.0	
	2015	Crown Point/Mantua	0.0	
	2020	Crown Point/Paradise	0.0	
	2025	Broad/Commerce	0.0	
	2040	Quincy/Beacon	0.0	
	2110	N. Delaware/Railroad Ave	0.0	
	2140	Spruce/Broad	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/6/2012	2145	Buck/Chestnut	0.0	
	2200	Beacon/Quincy	0.0	
	2305	Crown Point (Bridge)	0.0	
	2310	Crown Point (Marsh)	0.0	
	2315	Crown Point (Marsh)	0.0	
	2330	Penn Line/Buck	0.0	
12/7/2012	0015	Chestnut	0.0	
	0030	5th/Mantua	0.0	Area RAE location
	0045	7th/Mantua	0.0	
	0130	5th/Greenwich	0.0	
	0145	Guardian Angels	0.0	
	0200	7th/Mantua	0.0	
	0215	Jefferson/ Church	0.0	
	0230	7th/Mantua	0.0	
	0245	3rd/Beacon	0.0	
	0300	6th/Beacon	0.0	
	0350	Mantua and 5th	0.0	
	0430	Commerce and RailRoad	0.0	
	0445	Commerce and Jefferson	0.0	
	0515	Delaware and Washington	0.0	
	0545	Buck and Chestnut	0.0	
	0600	Commerce and Broad	0.0	
	0745	Nassau and Delaware	0.0	
	0815	Greenwich/ Delaware	0.0	
	0830	Billings and 7th	0.0	
	0840	Billings and 6th	0.0	
	0915	Riverview and Mantua	0.0	
	0935	5th and Mantua	0.0	
	1000	636 Mantua	0.0	
	1135	Commerce Rd and Railroad	0.0	
	1140	Commerce Rd and Jefferson	0.0	
	1150	230 Jefferson	0.0	
	1200	Delaware and Washington	0.0	
	1205	Crown Point Road Middle	0.0	
	1220	Paradise Rd. and Railroad	0.0	
	1340	Commerce and 44	0.0	
	1410	Commerce and Wood Street	0.0	
	1445	Commerce	0.0	
	1450	Mantua and 5th	0.0	
	1510	Mantua and 7th	0.0	
	1550	Commerce and Railroad trak	0.0	
	1615	Commerce and Jefferson	0.0	
	1630	Delaware and Washington	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.

Date	Time	Location	VOC Reading	Remarks
12/7/2012	1700	Mantua and Riverview	0.0	
	1715	Riverview and Beacon	0.0	
	1730	Riverview and Billings	0.0	
	1800	Riverview and Greenwich	0.0	
	1815	Riverview and Nassau	0.0	
	2015	Riverview and Billingsport	0.0	
	2030	2nd and Greenwich	0.0	
	2040	2nd and Billings	0.0	
	2050	2nd and Beacon	0.0	
	2112	2nd and Mantua	0.0	
	2118	Mantua and 3rd	0.0	
	2130	Mantua and 4th	0.0	
	2145	Mantua and Dupont	0.0	
	2205	Mantua and 5th	0.0	
	2240	Mantua and 6th	0.0	
	2300	3rd and Beacon	0.0	
	2315	3rd and Nassau	0.0	
	2330	3rd and Lincoln	0.0	
	2345	Lincoln and 4th	0.0	

*VOC Readings are direct and recorded in units;
correction factor not applied.